

JBT FOOD TECH

Material Safety Data Sheet

I. Product Name: **FORMULA 499**

Date Issued/Revised: November 6, 2013

Chemical Family: Synthetic based lubricating oil

Use: Lubricant and corrosion inhibitor

Supplier: JBT FoodTech

Address: 1622 First Street, Sandusky, Ohio USA

Phone: 800-433-6320 Fax: 507-645-9664

24 Hour Emergency Numbers USA: 800-541-8346 International: 001 760-602-8897

II. Components:

- Base Oil (synthetic) - Synthetic additives with iso-paraffinic diluents.
- The precise composition of this oil is proprietary. A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency.
- All components of this product are listed on the U.S. TSCA inventory.
- This product contains no hazardous substances within the definition of OSHA Regulation 29 CFR 1910.1200.
- JBT certifies that this product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form.

III. Main Hazards / Health Effects:

Eyes: May cause irritation.

Inhalation: Oil mist may line breathing passages with oil making breathing difficult.

Ingestion: May cause diarrhea.

Skin: May irritate the skin after prolonged periods of contact.

IV. First Aid:

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.

Ingestion: Wash out mouth immediately. Do not induce vomiting. Consult physician.

Skin: Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.

V. Extinguishing Media:

Suitable: Foam, dry powder, Halon®, carbon dioxide, sand, earth and water mist.

Unsuitable: Water jet.

Protective Equipment for Fire Fighting: Self-contained breathing apparatus.

VI. Accidental Release Measures:

Personal Precautions: Wear gloves and protective overalls.

Environmental Precautions: Do not allow it to enter drains.

Spillage: Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

VII. Handling and Storage:

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

VIII. Exposure Control / Personal Protection:

Respiratory Protection: Hydrocarbon absorbing respirator if misting.

Hand Protection: Oil-proof gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to parts in motion.

Body Protection: Overalls.

IX. Physical and Chemical Properties:

Physical State: Liquid

Color: Clear

Odor: Mild Lube Oil

pH: Neutral

Boiling Range / Point °F (°C): Undetermined

Pour Point °F (°C): -44 (-42)

Flash Point (COC) °F (°C): 425 (218)

Autoignition Temperature °F (°C): >600 (>315)

Evaporation Rate (Butyl Acetate): <0.01

Vapor Pressure (kPa): <0.1

Percent Volatiles: None

Density (g/cm³): 0.86

Flammability: Not flammable at ambient temp.

OAR Value: UN

Oxidizing Properties: None

Water Solubility: Insoluble

Vapor Density: Greater than air

X. Stability and Reactivity:
Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic and organic acids, oxidizing agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons.
Residue mainly comprised of soot.

XI. Toxicological Information: Acute Toxicity: Not known Irritancy-Skin: Very mild Skin Sensitization: Not known Subacute / Sub-chronic Toxicity: Not known Genotoxicity: None known Chronic Toxicity: None known	California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67 / 548 / EEC): No LD-50: >2000mg/kg - extrapolated from component data LC-50: Not applicable
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XII. Ecological Information:
Possible Effects: When released into the environment, adsorption to sediment and soil will be the predominant behavior.
Behavior: Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate: Due to its fluid nature and specific gravity, this product will float or spread across water making it a nuisance contaminant. It is not thought to be toxic to marine or land organisms.

XIII. Waste and Container Disposal:
Waste Disposal: Consider recycling. This product, as sold, does not meet the RCRA characteristics of a hazardous waste. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. Contact a waste disposal company or local authority for advice.
Container Disposal: See waste disposal section listed above.

XIV. Transport Information: DOT: Nonhazardous UN No.: N/A DOT: Nonhazardous	Air Transport (ICAO, IATA): Bulk Nonhazardous Sea Transport (IMO, IMDG): Bulk Nonhazardous Road and Rail Transport (ADR / RID): Bulk Nonhazardous
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XV. Regulatory Information: Labeling Information: None needed EC Annex 1 Class.: N/A R Phrases: N/A SARA 311 / 312: None S Phrases: S-3 keep cool, S-16 keep away from ignition sources Ozone Depleting Chemicals: N/A	CERCLA: Nonhazardous TSCA: All components are listed WHMIS (Canada): Not regulated Canadian DSL: All components are listed 40 CFR Part 372 (SARA Section 313): N/A RCRA Hazard Class: Nonhazardous TSCA 12B Components: None
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XVI. Other Information:

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	B